

Appl. No. 10/502,141
Amendment and/or Response
Reply to Office action of 24 February 2006

Page 2 of 12

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A method ~~comprising of performing error correction of stream data on a data medium using an information file, the method comprising the steps of:~~

[[-]] determining ~~(100)~~ whether an error exists in the stream data based on the basis of the information file and the stream data and an information file associated with the stream data;

[[-]] determining ~~(200)~~ a file offset of the error in the stream data based on the basis of the information file and the stream data;

[[-]] determining ~~(300)~~ a size of erroneous data in the stream data based on the basis of the information file and the stream data; and

[[-]] inserting ~~(400)~~ correction data in the stream data based on the file offset and the size of the erroneous data.

2. (Currently amended) A ~~The method according to of~~ claim 1, wherein ~~characterized in that the step of determining whether an the error exists in the stream data includes comprises the steps of:~~

[[-]] determining ~~(101)~~ a first size of the stream data based on the basis of the stream data;

[[-]] determining ~~(102)~~ a second size from the information file; and

[[-]] determining ~~(103)~~ the error, when the first and second sizes are not equal.

Appl. No. 10/502,141
Amendment and/or Response
Reply to Office action of 24 February 2006

Page 3 of 12

3. (Currently amended) A-~~The method according to of~~ claim 1, ~~wherein characterized in that the step of~~ determining the file offset of the error in the stream data includes:

~~comprises the steps of~~

[[~~-~~]] determining ~~(201)~~ a clock reference or a characteristic point in the information file; and

[[~~-~~]] looking ~~(202)~~ up the file offset in the information file based ~~on the basis of~~ the determined clock reference or the determined characteristic point.

4. (Currently amended) A-~~The method according to of~~ claim 1, ~~wherein characterized in that the step of~~ determining the size of erroneous data in the stream data includes:
~~comprises the steps of~~

[[~~-~~]] determining ~~(301)~~ a pair of clock references in the information file;

[[~~-~~]] looking up ~~(302)~~ a pair of file offsets in the information file based ~~on the basis of~~ the determined pair of clock references; and

[[~~-~~]] determining ~~(303)~~ the size of erroneous data based ~~on the basis of~~ the combination of the pair of file offsets looked-up and the determined pair of clock references;

5. (Currently amended) A-~~The method according to of~~ claim 1, ~~wherein characterized in that the step of~~ inserting correction data in the stream data ~~comprises the step of~~ includes at least one of:

[[~~-~~]] inserting ~~(401)~~ data content of a predetermined type having the determined size at the determined file offset; ~~or~~

[[~~-~~]] inserting ~~(402)~~ a flag at the determined file offset; and ~~or~~

[[~~-~~]] inserting ~~(403)~~ dummy data at the determined file offset.

Appl. No. 10/502,141
Amendment and/or Response
Reply to Office action of 24 February 2006

Page 4 of 12

6. (Currently amended) ~~A~~ The method according to of claim 1 5, wherein
~~characterized in that the data content of a predetermined type comprises~~ includes at
least one of: part of the stream data representing a muted audio signal, data
representing a frozen picture, and ~~or data representing a black screen.~~

7. (Currently amended) ~~A~~ The method according to of claim 1, wherein ~~characterized~~
~~in that the method is executed during recording of stream data.~~

8. (Currently amended) ~~A~~ The method according to of claim 1, wherein ~~characterized~~
~~in that the method is executed during or before playback of stream data.~~

9. (Canceled)

10. (Currently amended) ~~A computer program product comprising program code~~
~~means stored on a computer readable medium for performing the method of claim 1~~
~~when the computer program is run on a computer~~ that includes computer code that,
when executed by a processing system, causes the system to:

determine whether an error exists in stream data based on the stream data
and an information file associated with the stream data;

determine a file offset of the error in the stream data based on the information
file;

determine a size of erroneous data in the stream data based on the
information file; and

insert correction data in the stream data based on the file offset and the size of
the erroneous data.

Appl. No. 10/502,141
Amendment and/or Response
Reply to Office action of 24 February 2006

Page 5 of 12

11. (Currently amended) A device ~~(600)~~ for performing error correction of stream data on a data medium using an information file comprising:

[[-]] means for determining ~~(602)~~ whether an error exists in the stream data based on the basis of the information file and the stream data and an information filed associated with the stream data;

[[-]] means for determining ~~(602)~~ a file offset of the error in the stream data based on the basis of the information file and the stream data;

[[-]] means for determining ~~(602)~~ a size of erroneous data in the stream data based on the basis of the information file and the stream data; and

[[-]] means for inserting ~~(602)~~ correction data in the stream data.

12. (Currently amended) A The device (600) according to of claim 11, wherein ~~characterized in that~~ the means for determining ~~(602)~~ whether ~~an the~~ error exists in the stream data ~~comprises~~ includes:

[[-]] means ~~(602)~~ for determining a first size of the stream data based on the basis of the stream data;

[[-]] means ~~(602)~~ for determining a second size from the information file; and

[[-]] means ~~(602)~~ for determining the error, when the first and second sizes are not equal.

13. (Currently amended) A The device (600) according to of claim 11, wherein ~~characterized in that~~ the means ~~(602)~~ for determining the file offset of the error in the stream data ~~comprises~~ includes:

[[-]] means ~~(602)~~ for determining a clock reference or a characteristic point in the information file; and

[[-]] means ~~(602)~~ for looking up the file offset in the information file based on the basis of the determined clock reference or the determined characteristic point.

Appl. No. 10/502,141
Amendment and/or Response
Reply to Office action of 24 February 2006

Page 6 of 12

14. (Currently amended) A ~~The device (600) according to~~ of claim 11, wherein
~~characterized in that the means (602) for determining the size of erroneous data in~~
~~the stream data comprises~~ includes:

- [[-]] means ~~(602)~~ for determining a pair of clock references in the information file;
- [[-]] means ~~(602)~~ for looking up a pair of file offsets in the information file based on
~~the basis of~~ the determined pair of clock references; and
- [[-]] means ~~(602)~~ for determining the size of erroneous data based on ~~the basis of~~
the combination of the pair of file offsets looked-up and the determined pair of clock
references;

15. (Currently amended) A ~~The device (600) according to~~ of claim 11, wherein
~~characterized in that the means (602) for inserting correction data in the stream data~~
~~comprises~~ includes at least one of:

- [[-]] means ~~(602)~~ for inserting data content of a predetermined type having the
determined size at the determined file offset; ~~or~~
- [[-]] means ~~(602)~~ for inserting a flag at the determined file offset; and ~~or~~
means ~~(602)~~ for inserting dummy data at the determined file offset.

16. (New) The computer program of claim 10, wherein determining whether the error
exists in the stream data includes:

- determining a first size of the stream data based on the stream data;
- determining a second size from the information file; and
- determining the error, when the first and second sizes are not equal.

Appl. No. 10/502,141
Amendment and/or Response
Reply to Office action of 24 February 2006

Page 7 of 12

17. (New) The computer program of claim 10, wherein determining the file offset of the error in the stream data includes:

determining a clock reference or a characteristic point in the information file;
and

looking up the file offset in the information file based on the determined clock reference or the determined characteristic point.

18. (New) The computer program of claim 10, wherein determining the size of erroneous data in the stream data includes:

determining a pair of clock references in the information file;
looking up a pair of file offsets in the information file based on the determined pair of clock references; and

determining the size of erroneous data based on the combination of the pair of file offsets looked-up and the determined pair of clock references;

19. (New) The computer program of claim 10, wherein inserting correction data in the stream data includes at least one of:

inserting data content of a predetermined type having the determined size at the determined file offset;

inserting a flag at the determined file offset; and

inserting dummy data at the determined file offset.

20. (New) The computer program of claim 19, wherein the data content of predetermined type includes at least one of: part of the stream data representing a muted audio signal, data representing a frozen picture, and data representing a black screen.